

UPCOMING LAUNCH

# THURAYA 4 MISSION

WATCH

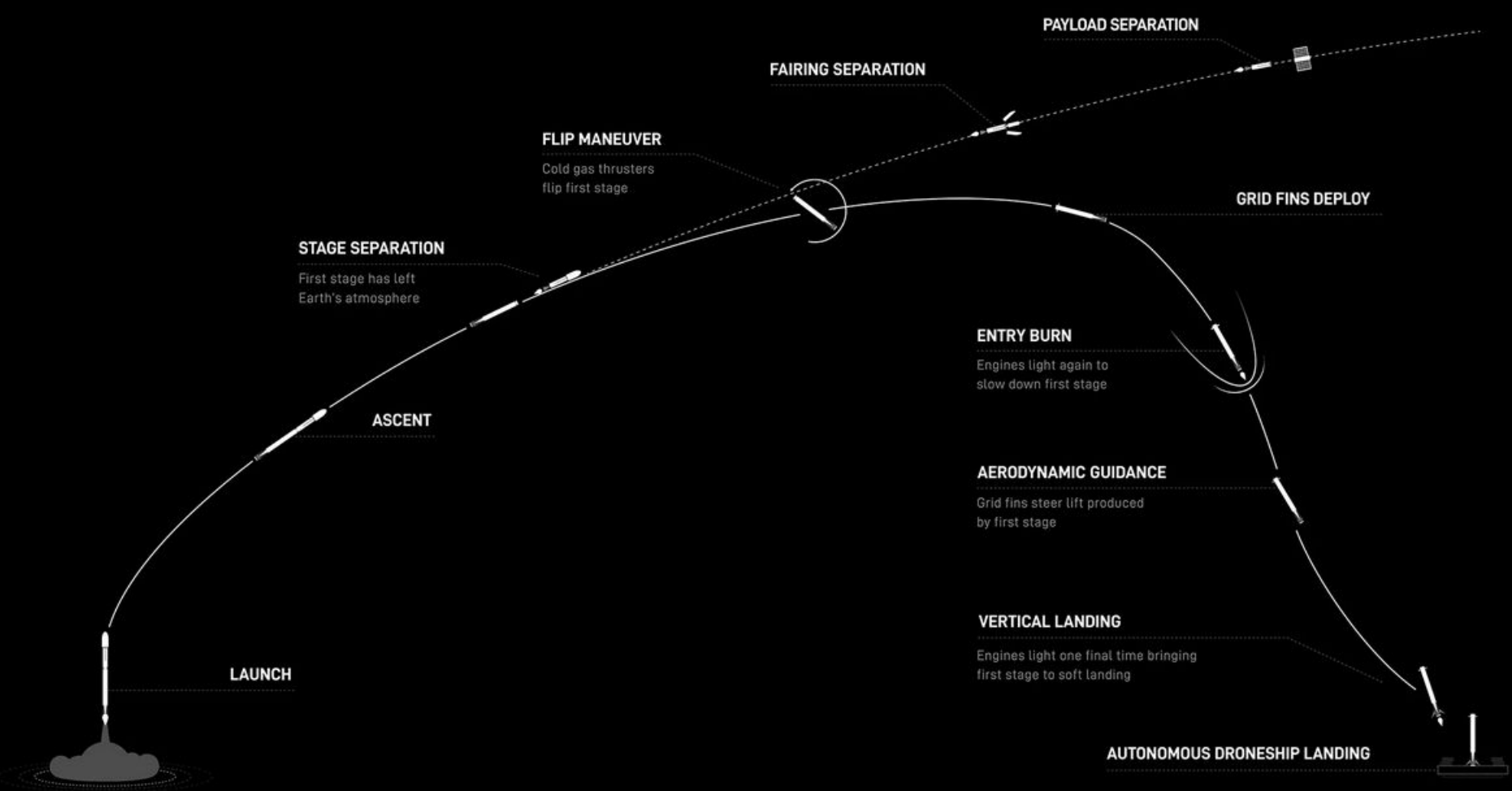
SpaceX is targeting Friday, January 3 for Falcon 9's launch of the Space42 **Thuraya 4** mission to a geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The four-hour window opens at 8:27 p.m. ET. If needed, a backup opportunity is available on Saturday, January 4 at the same time.

A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on **X @SpaceX**. You can also watch the webcast on the new X TV app.

This will be the 20th flight for the Falcon 9 first stage booster supporting this mission, which previously launched SES-22, ispace's HAKUTO-R MISSION 1, Amazonas-6, CRS-27, Bandwagon-1, GSAT-20, and 13 Starlink missions. After stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

## COUNTDOWN

HR/MIN/SEC	EVENT
00:38:00	SpaceX Launch Director verifies go for propellant load
00:35:00	RP-1 (rocket grade kerosene) loading begins
00:35:00	1st stage LOX (liquid oxygen) loading begins
00:16:00	2nd stage LOX loading begins
00:07:00	Falcon 9 begins engine chill prior to launch
00:01:00	Command flight computer to begin final prelaunch checks
00:01:00	Propellant tank pressurization to flight pressure begins
00:00:45	SpaceX Launch Director verifies go for launch
00:00:03	Engine controller commands engine ignition sequence to start
00:00:00	Falcon 9 liftoff



## LAUNCH, LANDING, AND DEPLOYMENT

All Times Approximate

HR/MIN/SEC	EVENT
00:01:13	Max Q (moment of peak mechanical stress on the rocket)
00:02:27	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:38	2nd stage engine starts (SES-1)
00:03:16	Fairing separation
00:06:24	1st stage entry burn begins
00:06:50	1st stage entry burn ends
00:08:02	2nd stage engine cutoff (SECO-1)
00:08:14	1st stage landing burn begins
00:08:39	1st stage landing
00:28:06	2nd stage engine starts (SES-2)
00:29:02	2nd stage engine cutoff (SECO-2)
00:35:28	Thuraya 4 deploys